RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	MMM MMM MMM MMM MMM MMMMMM	\$
RRR RRR RRR RRR RRR RRR RRR RRR	MMMMM MMMMMM MMMMMMMMMMMMMMMMMMMMMMMMM	\$\$\$ \$\$\$ \$\$\$ \$\$\$ \$\$\$
RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	MMM	\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$
RRR RRR RRR RRR RRR RRR	MMM	\$\$\$ \$\$\$ \$\$\$ \$\$\$ \$\$\$
RRR RRR RRR RRR RRR RRR	MMM	\$\$\$\$ \$\$\$\$\$\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$ \$\$\$\$

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NN	000000 000000 00 00 00 00	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	00000000 00000000 00000000000000000000	00000000 00000000 00000000000000000000	\$	\$	
	\$						

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NTOACCESS Table of c	ontents	NETWORK ACCESS/DEACCESS	E	5	15-SEP-1984	23:47:02	VAX/VMS	Macro	v04-00
(2) (3) (5) (6) (7) (8) (9)	77 112 299 394 484 569 710	DECLARATIONS NT\$ASSIGN - NETWORK ASSIGN CHANNEL NT\$MOD_DEV_CHAR - MODIFY DEVICE CHARAC NT\$MAP_DEV_CHAR - MAP DEVICE CHARACTER NT\$RET_DEV_CHAR - RETURN DEVICE CHARAC NT\$ACCESS = PERFORM NETACP ACCESS FUNC NT\$DEACCESS - PERFORM NETACP DEACCESS	ISTICS TERIST TION	TICS					

NT VO

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Page (1)

VC

\$BEGIN NTOACCESS,000,NF\$NETWORK,<NETWORK ACCESS/DEACCESS>

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: Facility: RMS

Abstract:

This module performs network access/deaccess functions including assigning a channel to the network device and altering the characteristics of the network device as appropriate. The access function creates a logical link between this process and either:
(1) the specified target task, or
(2) FAL (file access listener) for remote file access.

Environment: VAX/VMS, executive mode

Creation Date: 09-DEC-1977 Author: James A. Krycka,

Modified By:

V03-009 JAK0146 27-Jun-1984 J A Krycka Copy entire task specification string to the NCB in NT\$ACCESS.

V03-008 JEJ0029 J E Johnson 17-Apr-1984 Fix bug caused by previous change.

V03-007 JEJ0005 JEJ0005 J E Johnson 08-Mar-1984 Process quoted filename specifications here to determine if a DAP or NSP request has been made.

V03-006 JAK0124 06-Sep-1983 J A Krycka Make corresponding source code change for VMS V3.5 patch in

NETWORK ACCESS/DEACCESS	G 5 15-SEP-1984 23:47:02 VAX/VMS Macro V04-00 Page 5-SEP-1984 16:20:08 [RMS.SRC]NTOACCESS.MAR;1
0000 58 :	support of VAXELAN.
0000 60 vo	03-005 RAS0174 Ron Schaefer 29-Jul-1983 Change reference of FAB\$V_UFM to FAB\$V_CHAN_MODE.
0000 63 : VO	03-004 JAK0105 J A Krycka 11-May-1983 Add comments.
0000 66 vo	03-003 KBT0425 Keith B. Thompson 01-Dec-1982 Change IFB\$W_DEVBUFSIZ to IFB\$L_DEVBUFSIZ.
0000 69 vo	03-002 KBT0309 Keith B. Thompson 27-Aug-1982 Fix some broken branches.
0000 71 ; 0000 72 ; v(03-001 JWH0001 Jeffrey W. Horn 29-Jun-1982 Fix broken BSBW branch.
	0000 58 : 0000 59 : 0000 60 : Vi 0000 61 : 0000 62 : 0000 63 : Vi 0000 65 : 0000 65 : 0000 67 : 0000 68 : 0000 69 : Vi 0000 70 :

Define DAP prologue symbols
Define DAP Attributes message
Define Device Characteristics
Define File Access Block symbols
Define File Work Area symbols
Define IFAB symbols
Define I/O function codes
Define NAM block symbols
Define Network Work Area symbols
Define Process Status Longword symbols
Define RMS exit code symbols

```
.SBTTL DECLARATIONS
Include Files:
             SDAPPLGDEF
SDAPATTDEF
              $DEVDEF
              $FABDEF
              SFWADEF
              SIFBDEF
              SIODEF
              SNAMDEF
              SNWADEF
              $PSLDEF
              $RMSDEF
      Macros:
              None
      Equated Symbols:
             ASSUME DAPSQ_DCODE_FLG EQ 0
ASSUME NWASQ_FLG EQ 0
      Own Storage:
              None
```

VO

114

116

15-SEP-1984 23:47:02 5-SEP-1984 16:20:08 VAX/VMS Macro V04-00 [RMS.SRC]NTOACCESS.MAR; 1

.SBTTL NTSASSIGN - NETWORK ASSIGN CHANNEL

: NT\$ASSIGN - assigns a channel to the network device (i.e., _NETO:).

Calling Sequence:

BSBW NT\$ASSIGN

Input Parameters:

R8 R9 FAB address IFAB address R10 FWA address

R11 Impure Area address

Implicit Inputs:

None

Output Parameters:

Status code (SS) R1-R3 Destroyed

Implicit Outputs:

FAB\$B_ACMODES FWA\$V_OBJTYPE IFB\$W_CHNL IFB\$B_MODE IFB\$L_NWA_PTR NWA\$Q_NCB

Completion Codes:

Standard system service status codes

Side Effects:

None

150 : s 151 : 152 : 153 : 154 :--NT\$ASSIGN:: BBC

#FWASV_QUOTED_(R10),5\$
PARSE_QUOTED_STRING
R0,20\$

Entry point Not quoted, must be DAP request Parse the quoted specification ; Parse the quoted specification ; If parse failed, return the error

: Setup device name descriptor a: Assign Channel system service. Setup device name descriptor and associated string for input to the

161 162 163 164 165 166 167 168

E1 10 E9

IFB\$L_NWA_PTR(R9),R1
NWA\$Q_NCB(R1),R2
NWA\$T_NCBBUF(R1),R3 MOVL MOVAQ MOVAB

; Get address of NWA Get address of scratch descriptor Get address of scratch buffer

0009 0009 0009 0009 0000 0012 D0 7E 9E

1A 4C 48 50

05 6A

158 159 160

BSBB BLBC

NTOACCESS VO4-000		NETWORK A	CESS/DEACCESS 15-SEP-1984 23:47:02 VAX/VMS 15-SEP-1984 16:20:08 CRMS.SRC	Macro V04-00 Page 5 INTOACCESS.MAR;1 (3)
63	20203A30 54454E5F 8F	DO 0017 DO 001A 7D 001E 0029	169 MOVL #6,(R2) ; Fill in string 170 MOVL R3,4(R2) ; Fill in string 171 MOVQ #^A_NETO: (R3) ; Store device	count address name string
		0029 0029 0029	173: 174: Determine which mode to use in making the channel ass 175:	ignment.
	51 01 11 10 04 A8	DO 0029 E1 0020	175; 176 177 MOVL #PSL\$C_EXEC_R1 ; Assume execut 178 BBC #FAB\$V_UFO ; Branch if UFO 179 FAB\$L_FOP(R8),10\$;	ive mode clear
. Francis	02 02	EF 0031 0033 0034	178 BBC	mode
	51 4A A8 51 0A A9 04 51 0A A9	91 0037 1B 003B 9A 003D	180 181 181 182 FAB\$S_CHAN_MODE,- 182 FAB\$B_ACMODES(R8),R1 183 CMPB IFB\$B_MODE(R9),R1 184 BLEQU 10\$ 185 MOVZBL IFB\$B_MODE(R9),R1 186 187: 188: Create a control/information path to NETACP in prepare	with caller's mode
		0041 0041 0041 0041 0041	189; non-transparent network I/O. Do not associate a mailbe 190; as secondary inbound connect initiates and interrupt	ation for ox with the channel,
		0041 0041 0041 0041 0041 0041 05	196 CHAN=IFB\$V_CHNL(R9)- ; Address to r 197 ACMODE=R1 ; Access mode	annel evice name descriptor eturn channel # tem service code in RO

NT

			MIDA	221 GM	- MEIWUR	W W221	GN CHA	NNEL)-2EF	-1704	10:20	1:00	.KM3.31	AUTHLUS	LLESS.	MAK; I		(4)
				0052 0052 0052	200 :4	+ Parse inform	the quation.	oted	file n	ame st	ring	to det	ermin	e the r	network	speci	fic		
				0052	204	(1)	Set th	e OBJ	TYPE f	lag if	the of th	quoted e "obj	stri	ng cont	ains a	n egua This	ls chara is form	cter 1.	
				0052 0052 0052 0052 0052	201 203 203 204 205 206 207 208 201 201 201 201 201 201 201 201 201 201		after	the e ttype ation	quals =taskn of SY	charac ame/ne S\$NET	ter t tacp yield	o indi data'' s an e	form.	Note in	is of	the	characte cal name ning a		
				0052 0052 0052	214 :	(3)	In add store in the	ition a cha subs	, if t racter tring	he quo count /netac	ted s that p_dat	tring repre a' (ir	is of esents	the for	orm give umber o traili	en in f char ng quo	3, then acters te).		
				0052 0052 0052	216 217 218 219		Set th contai questi	ns on	e of t	charac he foi	ter f	lag if	test	1 fails: aste	ed and	the q percen	uoted st t sign,	ring	
				0052 0052 0052 0052	221 222 223		Finall	у, со	py the	quote	d str	ing (i	includ	ing the	e quote	s) to	buffer i	in NWA.	
56	00F0 0170	8F CA	88 70	0052 0052 0052 0056 005B 005B	226 227 228		OTED_S PUSHR MOVQ	#^M	: <r4,r5 \$Q_QUO</r4,r5 			:	Save	point working he quo	regis ted str	ters ing de	scriptor		
				005B 005B	229 230 231 232	Check node::	for a ''objec	task ttype	specif	ication form.	n str (1)	ing er or (2)	close	d in qu	uotes,	i.e.,			
67	56	3D 15	3A 13	005B 005B 005F 0061 0065	231 233 233 233 233 233 233 233 233 233		LOCC BEQL SSB	10\$	\=R6 A\$V_OB				Flag	object	match type=.	(R0=0	oted str on no m	ing natch)	
				0065 0065 0065	239 : 240 : 241 :	Now ch	eck if	it i	s of f	orm (2	9).								
61	50 04	2F 33 50 3F 28	3A 13 B1 1F	0065 0065 0069 0068 006E 0070 0074 0076	233901 233901 2443 2445 2445 2447 2449		LOCC BEQL CMPW BLSSU SSB BRB	RO, ERR	#4 QUO A\$V_NE		R10)		Branch Length at le Flag	n if no n of /r east 4	match netacp_c charac type=ta	data"	oted str must be e/' f		
				0076	249 250 251 252	Check i.e.,	for a node::	wildc "fore	ard fo	reign lespec	file "for	specif	icatio	on stri	ing enc	losed	in quote	s,	
				0076 0076 0076 0076 0076	252 253 254 256		is no	way t	o tell	for s	ure w	hether	or no	ot the	file si	pecifi	node, t cation ote syst		

NTOACCESS VO4-000

NT

Sy

Note: If more than one node spec string was specified (manual routing), then treat this as a DAP level access so that RMS will connect to FAL at the adjacent node (which is actually an intermediate node).

FWASB_SUBNODENT(R10) TSTB BNEQ

Branch if more than one node spec was specified

95 00B9 OOBC

NT

Sy

SY

TP TP

--

NF SA

Ir Co Pa Sy Pa Sy Ps Cr As

Th 10 Th 76 35

Ma TO

22 TP

M/

MOVL

RSB

40\$:

0080 69

IFB\$L_PRIM_DEV(R9),-IFB\$L_AS_DEV(R9)

Say its a not a mailbox-like device

Copy device characteristics

: Exit

01 40 A7 OOF O 444 445 447 449 450 OOFO 00F0

\$SETBIT #NWA\$V_DEVCHAR, (R7)

Tak

Map DAP bit definitions into RMS bit definitions for the field and store them in NWA for use later.

MOVL DAP\$L_DEV(R7),R1

; Get DEV bits returned by FAL

51 68 A7

DO

OOFO

OOF O

OOF O 00F0

		NETW NTSM	ORK AC	CESS/DEACCES	DEVICE CHARACTERIS 5-SEP-1984 16:20:08 [RMS.SRC]NTOACCESS.MAR;1 (1 6)
	52	D4	00FE6 00FE6 0010E6 0112E6 012E6 012E6 012E6 012E6 012E6 012E6 012E6 012E6 012E6 012E6 012E6 0	455 455 455 455 455 455 455 455 465 466 466	CLRL R2 \$MAPBIT DAP\$V_DEVREC,DEV\$V_REC \$MAPBIT DAP\$V_DEVCCL,DEV\$V_CCL \$MAPBIT DAP\$V_DEVCCL,DEV\$V_CCL \$MAPBIT DAP\$V_DEVCCL,DEV\$V_TRM \$MAPBIT DAP\$V_DEVTORN,DEV\$V_TRM \$MAPBIT DAP\$V_DEVSDI,DEV\$V_SDI \$MAPBIT DAP\$V_DEVSDI,DEV\$V_SDI \$MAPBIT DAP\$V_DEVSOD,DEV\$V_SDI \$MAPBIT DAP\$V_DEVSOD,DEV\$V_SDI \$MAPBIT DAP\$V_DEVNET,DEV\$V_SPL \$MAPBIT DAP\$V_DEVNET,DEV\$V_SPL \$MAPBIT DAP\$V_DEVNET,DEV\$V_SPL \$MAPBIT DAP\$V_DEVNET,DEV\$V_SHR \$MAPBIT DAP\$V_DEVNET,DEV\$V_SHR \$MAPBIT DAP\$V_DEVGEN,DEV\$V_SHR \$MAPBIT DAP\$V_DEVGEN,DEV\$V_SHR \$MAPBIT DAP\$V_DEVMAVL,DEV\$V_SHR \$MAPBIT DAP\$V_DEVMAVL,DEV\$V_SHR \$MAPBIT DAP\$V_DEVMAVL,DEV\$V_MNT \$MAPBIT DAP\$V_DEVMAVL,DEV\$V_MNT \$MAPBIT DAP\$V_DEVMAVL,DEV\$V_MBX \$MAPBIT DAP\$V_DEVMAVL,DEV\$V_SHR \$MAPBIT DAP\$V_DEVMAVL,DEV\$V_SHL \$MAPBIT DAP\$V_DEVMAVL,DEV\$V_SHL \$MAPBIT DAP\$V_DEVMAVL,DEV\$V_SHL \$MAPBIT DAP\$V_DEVALL,DEV\$V_SHL \$MAPBIT DAP\$V_DEVALL,DEV\$V_SHL \$MAPBIT DAP\$V_DEVALL,DEV\$V_SHL \$MAPBIT DAP\$V_DEVALL,DEV\$V_SHL \$MAPBIT DAP\$V_DEVALL,DEV\$V_SHL \$MAPBIT DAP\$V_DEVFOR,DEV\$V_SHL \$MAPBIT DAP\$V_DEVFOR,DEV\$V_SHL \$MAPBIT DAP\$V_DEVFOR,DEV\$V_SHL \$MAPBIT DAP\$V_DEVFOR,DEV\$V_SHL \$MAPBIT DAP\$V_DEVFOR,DEV\$V_SHL \$MAPBIT DAP\$V_DEVFOR,DEV\$V_SHL \$MAPBIT DAP\$V_DEVFOR,DEV\$V_RND \$MAPBIT DAP\$V_DEVNTM,DEV\$V_RND \$MAPBIT DAP\$V_DEVNTM,DEV\$V_RND \$MAPBIT DAP\$V_DEVRCK,DEV\$V_RND \$MAPBIT DAP\$V_DEVRCC,DEV\$V_RND \$MAPBIT DAP\$	
00C0 C7 04 52	52 02	DO E1	01BE 01C3	477 478	MOVL R2,NWA\$L DEV(R7) ; Save characteristics for use later BBC #DEV\$V TRM,R2,20\$; Branch if device is not a terminal \$SETRIT #NWA\$V DEVIRM (R7) ; Elac remote device as a terminal	
04 52	14	E1 05	01C7 01CB 01CF 01D3	479 480 20\$: 481 482 30\$:	\$SETBIT #NWA\$V_DEVTRM,(R7) ; Flag remote device as a terminal BBC #DEV\$V_MBX,R2.30\$; Branch if device is not a mailbox \$SETBIT #NWA\$V_DEVMBX,(R7) ; Flag remote device as a mailbox RSB ; Exit	

Page

VO

```
.SBTTL NT$RET_DEV_CHAR - RETURN DEVICE CHARACTERISTICS
           485
485
488
488
490
493
01D4
01D4
01D4
                    NT$RET_DEV_CHAR - returns the true device characteristic information to the user's FAB iff all of the following conditions are met:

(1) FAL returned device characteristics in the DAP Attributes message.

(2) FAL is implemented to DAP V5.6 or later.

(3) The remote node is running VAX/VMS or VAXELAN or the file accessed
is a relative or an indexed file.
                               This restriction is here to accommodate the VMS COPY utility which uses the FAB$V_BRO and RAB$V_BIO options to defer the decision of whether to use record I/O ($GET7$PUT) or block I/O ($READ/$WRITE) for sequential
           496
                               files until $CONNECT time. COPY always uses block I/O to transfer relative and indexed files.
           498
           499
           500
501
503
504
505
                               COPY examines the device characteristics returned on SOPEN (and SCREATE)
                               in conjunction with other inputs to determine whether to use record
                              or block I/O. Since it does not know at open time if block I/O will be used, it sets the FAB$V_BRO bit in FAB$B_FAC on $OPEN, and if block I/O mode is chosen, it sets the RAB$V_BIO bit in RAB$L_ROP on $CONNECT to specify block I/O mode.
           506
507
508
509
511
                               Note that NT$GET_FAC_SHR and NT$ENCODE_ROP send the DAP$V_BRO and
0104
                               DAP$V_ROPBIO bits, respectively, based on a similar system specific
01D4
01D4
01D4
                               check.
                               Note that the algorithm used to return device characteristics may become
0104
                               less restrictive in the future, especially if COPY is modified to avoid
0104
                               using the FAB$V_BRO and RAB$V_BIO options.
0104
           515
0104
                     Calling Sequence:
           516
517
0104
0104
                               BSBW
                                            NT$RET_DEV_CHAR
           518
0104
           0104
                     Input Parameters:
0104
                               R8
R9
0104
                                            FAB address
0104
                                            IFAB address
0104
                               R10
                                            FWA address
0104
                               R11
                                            Impure Area address
0104
0104
                     Implicit Inputs:
0104
                              DAP$V_GEQ_V56
DAP$V_VAXVMS, DAP$V_VAXELAN
IFB$L_NWA_PTR
NWA$B_ORG
NWA$L_DEV
NWA$V_DEVCHAR
0104
0104
0104
0104
0104
01D4
01D4
01D4
                     Output Parameters:
01D4
01D4
01D4
                                            Destroyed
                               R1
```

Implicit Outputs:

01D4 01D4

	NETW NT\$R	ORK ACC	ESS/D	- RETUR	N DEVICE	CHARACTE	15-SEP-1984 5-SEP-1984	4 23:47	7:02 VA 0:08 ER	X/VMS Macro MS.SRC]NTOA	V04-00 CESS.MAR;1	Page	13
		01D4 01D4 01D4	541 542 543	•	FAB\$L_D	EV DC							
		01D4 01D4 01D4 01D4	5456789	Compl	etion Co	des:							
		01D4 01D4	547		None								
		01D4 01D4	549	Side	Effects:								
		01D4 01D4 01D4 01D4 01D4	550 551 553 554		None								
		0104	553	•	DEV_CHAR				Entry p	nint			
51 3C A9 24 61 11	DO E1	0104	555		MOVL BBC	IFB\$L_NW	A PTR(R9),R'EVCHAR,(R1)	20\$	Get add Branch	ress of NWA	did not retur	n	
		01DC 01DC	557 558		ввс		EQ V56, (R1) AXVMS, (R1),	:	Branch	if partner	stic informat uses DAP befo	ion	
20 61 24 0B 61 34 07 61 35	E1 E0 E0	01E0 01E4 01E8	555 5557 5559 560 561 563		BBS BBS	#DAPSV_V	AXELAN, (R1)	10\$;	Branch	if partner	is VAX/VMS		
00 0006 01	13	OTED	562	100.	CMPB BEQL	20\$	G(R1),#NWA\$	K_SEQ;	else f	if partner if SEQ organ all thru if	REL or IDX		
51 0000 01		01EF 01F4	564 565	10\$:	SSETBIT	#DEV\$V N	V(R1),R1 ET,R1		Declare	this a remo	characteristi ote network d eld in FAB	levice	
40 A8 51 44 A8 51	D0 D0 05	01F8 01FC 0200	566 567	20\$:	MOVL MOVL RSB	R1, FABSL	SDC(R8)		Update Exit	user SDC fie	eld in FAB		
	0,	2500	201	200.	11.00				CAIC				

NTO

Where:

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				NETW NTSA	ORK ACC	ESS/I	EACCESS ORM NET	ACP ACCE	G 6 SS FUNCTI 5	-SEP-1984 -SEP-1984	23:47:02 16:20:08	VAX/VMS Mac	ro V04-00 DACCESS.MAR;1	Page
					0201 0201 0201 0201 0201 0201 0201 0201	62789 6229 633334 6335 6335	(2)	for acc (to req for use supplied the log string	user (direct essing a rem uest the ser r task-to-ta d which may	ly or via note file, vices of t isk communi include an S\$NET used :'objectty	logical the quot he remot cation, optional as a fi	name translated string used e file access the quoted strill data counted le specificate	ent only if proion). d by RMS is 'F/ listener). ring used is the d string. Note ion translates	AL=" -
	51 53 04 63	30 0264 0520 A6 01B4 01B8	A9 C1 C1 53 CA DA	DO 7E 9E DO 28	0213	637 637 638 6441 6443 6445		MOVL MOVAB MOVAB MOVL MOVC3	IFB\$L_NWA_P NWA\$Q_NCBTR NWA\$T_NCBBU R3,4(R6) FWA\$Q_NODE1 aFWA\$Q_NODE1	TR(R9),R1 1),R6 IF(R1),R3 (R10),- 1+4(R10),(; Get ; Get ; Get ; Fil ; Cop R3); to	addrage of e	cratch descript	
					021B 021B 021B 021B 021B 021B	645 646 648 649 651	Deter	mine whe	oted string. ther the net ask communic	work reque	est is fo	r file access	via a remote f	AL or
	10	69	3E	EO	021B 021B 021B 021F 021F 021F 021F	652 653 654 655 656	It is	BBS a task-	#IFB\$V_DAP,			nch if file a	ccess request	
	63	0170 0174	CA DA 12	28 11	021F 021F 0225 0229 022D 022F	657 658 659 660 661 662		STSTPT MOVC3 BRB	NTACC_NSP FWA\$Q_QUOTE aFWA\$Q_QUOT 20\$	D(R10) - ED+4(R10),	(R3) App	end quoted st		
83			8F	D0 B0	022D 022F 022F 022F 022F 022F 0235	661 662 663 664 665 666 667	It is 10\$:	\$TSTPT MOVL	NTACC DAP #^A\"FAL(#^A\='(R3		; Req	uest object ty	ype FAL	
	83	223D	8F		023C 0241 0241 0241 0241 0241	669 670 671 672 673	:		size of the	NCB and s			scriptor block.	
66	53	04	A6	C3	0230 0241 0241 0241 0241 0246 0246 0246 0246	673 674 675 676 677 678 680 681 682	20\$: Perfo initi subfu (whet a two	rm the Nate or annotion cher or no	4(R6),R3,(R ETACP access n NSP connec odes, but NE ot the tasks nzero DECnet	function.	It will	be either an Both use the based on the NCB contains		and e call ed by

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```
NTOACCESS
VO4-000
```

```
NETWORK ACCESS/DEACCESS
NTSDEACCESS - PERFORM NETACP DEACCESS FU 5-SEP-1984 23:47:02
                                                                                                  VAX/VMS Macro V04-00
[RMS.SRC]NTOACCESS.MAR;1
                                                                                                                                             17
                                710
711
                                                .SBTTL NTSDEACCESS - PERFORM NETACP DEACCESS FUNCTION
                                       NT$DEACCESS - destroys a logical link.
                                        Calling Sequence:
                                                BSBW
                                                          NT$DEACCESS
                                        Input Parameters:
                                                R8
R9
                                                          FAB address
IFAB address
                                                R10
                                                          FWA address
                                                R11
                                                          Impure Area address
                                        Implicit Inputs:
                                               IFB$W_CHNL
                                        Output Parameters:
                                                          Status code (SS)
                                                R1-R4
                                                          Destroyed
                                                          Destroyed
                                        Implicit Outputs:
                                               IFB$L_IOS
                                        Completion Codes:
                                               Standard system service status codes
                                Side Effects:
                                               None
                                     NT$DEACCESS::
                                                                                           Entry point
                                                STSTPT
                                                          NTDEACCES
                                                POPL
00000000°EF
                                                                                           Save return PC
                                                JSB
                                                                                           Request event flag number to use
                                                          RM$SETEFN
                                                          (SP)+,R2
                                                                                            and store it
                                                MOVL
                                                                                           Issue synchronous disconnect
Event flag #
Channel #
                                                $QIO_S-
                                                          EFN=R2-
                                                          CHAN=IFB$W_CHNL(R9)- ; Channel #
FUNC=#IO$_DEACCESS!IO$M_SYNCH- ; Function code
IOSB=IFB$C_IOS(R9)- ; I/O status block
ASTADR=L^RM$STALLAST- ; AST address
                                                          ASTPRM=R9-
                                                                                             AST parameter
                                                          P1=0-
                                                                                             Must be zero
                                                          P2=#0
RO 10$
RM$STALL
                                                                                           Specify no userdata to return Branch on failure
                                                BLBC
00000000
                                                JSB
                                                                                           Await completion
                                                                                           Return to caller
```

NTOACCESS VO4-000 NETWORK ACCESS/DEACCESS NTSDEACCESS - PERFORM NETACP DEACCESS FU 5-SEP-1984 23:47:02 VAX/VMS Macro V04-00 NTSDEACCESS - PERFORM NETACP DEACCESS FU 5-SEP-1984 16:20:08 [RMS.SRC]NTOACCESS.MAR;1

02CE 767 02CE 768

.END

; End of module

NT

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\$\$ PSECT EP	NTOACCESS Symbol table	NETWORK ACCESS/DEACCESS	K 6	15-SEP-1984 23:47:02 VAX/VMS Macro V04-00 Page 5-SEP-1984 16:20:08 [RMS.SRC]NTOACCESS.MAR;1	19
DADKU DEV - DODODODE - DEVEN COD - DODODODE	Symbol table \$\$.PSECT_EP \$\$RMSTEST \$\$RMS_TBUGCHK \$\$RMS_TBUGCHK \$\$RMS_UMODE \$\$11 DAP\$B_BKS DAP\$B_BSZ DAP\$B_DATATYPE DAP\$B_DCODE_MAC DAP\$B_DCODE_MAC DAP\$B_DCODE_MSG DAP\$B_DCODE_MSG DAP\$B_FSZ DAP\$B_RAT DAP\$B_RAT DAP\$B_RAT DAP\$B_RFM DAP\$K_BLN DAP\$K_BLN DAP\$K_SEQ DAP\$K_SEQ DAP\$L_ACTIMENU DAP\$L_ACTIMENU DAP\$L_SMWA DAP\$L_SCRC_RSLT DAP\$L_BK DAP\$L_BC DAP\$M_CMFMT DAP\$M_DMO DAP\$M_CMFMT DAP\$M_DMO DAP\$M_TMP1\$ DAP\$M_TMP1\$ DAP\$M_TMP2\$ DAP\$M_TMP2\$ DAP\$M_TMP2\$ DAP\$M_TMP3\$ DAP\$M_TMP4\$ DAP\$M_TMP5\$ DAP\$M_TMP5\$ DAP\$M_TMP5\$ DAP\$M_TMP3\$ DAP\$M_TMP4\$ DAP\$M_TMP5\$ DAP	= 00000000 = 00000010 = 00000008 = 00000000 00000050 00000052 00000018 00000011 00000051 00000051 00000044 00000047 00000046 00000040 000000000 = 00000000 000000000 0000000000	DAPSW_FFB DAPSW_MRS DAPSW_PARTNER DAPSW_VERSION DEV\$V_ALL DEV\$V_AVL DEV\$V_CCL DEV\$V_DIR DEV\$V_ELG DEV\$V_FOD DEV\$V_FOR DEV\$V_FOR DEV\$V_MBX DEV\$V_MBX DEV\$V_NET DEV\$V_RCK DEV\$V_RCK DEV\$V_RCK DEV\$V_RTM DEV\$V_SDI	= 00000017 = 00000017 = 00000019 = 000000012 = 00000018 = 00000015 = 00000014 = 00000013 = 00000008 = 00000008 = 00000008 = 00000009 = 00000005 = 00000005 = 00000024 = 00000035 = 00000034 00000048 00000048 00000048 00000048 00000048 00000072 00000044 00000072 00000072 00000004 = 00000017 = 00000015 = 00000015 = 00000015 = 00000015 = 00000015 = 00000015 = 00000015	(9

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00000114

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VAX/VMS Macro V04-00 [RMS.SRC]NTOACCESS.MAR;1

SYSSQIO 01 01 01 TPTSL_NTACC_DAP TPTSL_NTACC_NSP TPTSL_NTDEACCES ****** ****** 01 *******

Psect synopsis!

PSECT name Allocation PSECT No. Attributes LCL NOSHR NOEXE NORD GBL NOSHR EXE RD LCL NOSHR EXE RD ABS 00000000 NOPIC CON NOWRT NOVEC BYTE NOWRT NOVEC BYTE WRT NOVEC BYTE 0.) USR NF SNE TWORK 000002CE 00000800 USR SABS\$

M 6

Performance indicators

Phase	Page faults	CPU Time	Elapsed Time
Initialization	47	00:00:00.15	00:00:01.17 00:00:05.87
Command processing Pass 1	154 466	00:00:00.82	00:00:05.87
Symbol table sort Pass 2	0	00:00:02.71	00:00:03.95
Symbol table output	142 28	00:00:03.55 00:00:00.18	00:00:08.10 00:00:00.50
Psect synopsis output Cross-reference output	5	00:00:00.02	00:00:00.02
Assembler run totals	841	00:00:26.62	00:01:06.96

The working set limit was 1800 pages.
105919 bytes (207 pages) of virtual memory were used to buffer the intermediate code.
There were 100 pages of symbol table space allocated to hold 1925 non-local and 57 local symbols.
768 source lines were read in Pass 1, producing 15 object records in Pass 2.
35 pages of virtual memory were used to define 34 macros.

4------Macro library statistics !

Macro library name

NTOACCESS

Symbol table

Macros defined

\$255\$DUA28:[RMS.OBJ]RMS.MLB;1 \$255\$DUA28:[SYSLIB]STARLET.MLB;2 TOTALS (all libraries)

17 13 30

2224 GETS were required to define 30 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:NTOACCESS/OBJ=OBJ\$:NTOACCESS MSRC\$:NTOACCESS/UPDATE=(ENH\$:NTOACCESS)+LIB\$:RMS/LIB

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